

## EAST Search History

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| L1    | 5792   | ((209/1) or (209/129) or (209/576) or (209/579) or (209/585) or (209/586) or (977/845,901) or (219/121.61,121.68,121.69,121.73,121.75,121.8)). CCLS. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/07/05 11:30 |
| L2    | 166735 | ((sort\$3 separat\$3 select\$3 mov\$3 manipul\$3 attract\$3 mov\$3) near4 (nanotube fullerene SWNT tube nano\$5))                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2006/07/05 11:19 |
| L3    | 266    | dipole same ((optical light laser) and (trap\$4 tweeze\$4 captur\$3 catch\$3))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2006/07/05 10:59 |
| L4    | 29     | l2 and l3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2006/07/05 10:59 |
| L5    | 8      | l1 and l4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2006/07/05 11:16 |
| L6    | 0      | (stefan near2 kuhr).inv.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2006/07/05 11:17 |
| L7    | 0      | (victor near2 gomer).inv.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2006/07/05 11:17 |
| L8    | 6      | (wolfgang near2 alt).inv.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2006/07/05 11:17 |
| L9    | 144    | (martin near2 muller).inv.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2006/07/05 11:18 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| L10 | 170  | l1 and l2  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2006/07/05 11:19 |
| L11 | 94   | (977/845,901).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/05 11:55 |
| L12 | 0    | ("696703.ap.").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/05 11:56 |
| L13 | 4    | "696703".ap.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2006/07/05 11:56 |
| L14 | 4    | ((("6774333") or ("6974927"))).PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2006/07/05 12:26 |
| S1  | 648  | ((209/576) or (209/579) or (209/585) or (209/586)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/30 17:35 |
| S2  | 1890 | (sort\$3 separat\$3 select\$3) same ((graphite carbon) near3 (nanotube tube))                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 17:35 |
| S3  | 4    | ((sort\$3 separat\$3 select\$3) same ((graphite carbon) near3 (nanotube tube))) and "209"/\$.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/01/08 14:54 |
| S4  | 51   | ((sort\$3 separat\$3 select\$3) same ((graphite carbon) near3 (nanotube tube))) and "356"/\$.ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/01/08 14:56 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S5  | 458  | ((sort\$3 separat\$3 select\$3) same ((graphite carbon) near3 (nanotube tube))).ab.                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/01/08 15:25 |
| S6  | 9    | ((((sort\$3 separat\$3 select\$3) same ((graphite carbon) near3 (nanotube tube))).ab.) and "356"/\$.ccls.             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/01/08 14:54 |
| S7  | 2    | (sort\$3 separat\$3 select\$3) same ((graphite carbon) near3 (nanotube tube)) and ((optical near5 (dipole and trap))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/01/08 15:11 |
| S8  | 2    | ((graphite carbon) near3 (nanotube tube)) and ((optical near5 (dipole and trap)))                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/01/08 15:00 |
| S9  | 2    | ((graphite carbon) near3 (nanotube tube)) same (optical near5 dipole)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/01/08 15:08 |
| S10 | 14   | (optical near5 (dipole and trap))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/01/08 15:08 |
| S11 | 6    | (sort\$3 separat\$3 select\$3) same ((graphite carbon) near3 (nanotube tube)) and (optical near5 trap)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/03/30 17:39 |
| S12 | 43   | ((sort\$3 separat\$3 select\$3) same ((graphite carbon) near3 (nanotube tube))) and "250"/\$.ccls.                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/01/08 15:25 |
| S13 | 2100 | (sort\$3 separat\$3 select\$3) same ((graphite carbon) near3 (nanotube tube))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2004/03/30 18:35 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S14 | 1815 | ((209/576) or (209/579) or (209/585) or (209/586) or (356/309) or (356/311) or (356/318)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/03/30 17:36 |
| S15 | 1815 | ((209/576) or (209/579) or (209/585) or (209/586) or (356/309) or (356/311) or (356/318)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/04/01 18:26 |
| S16 | 325  | optical near3 tweezer   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 17:40 |
| S17 | 4    | ((((209/576) or (209/579) or (209/585) or (209/586) or (356/309) or (356/311) or (356/318)).CCLS.) and (optical near3 tweezer)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 17:40 |
| S18 | 15   | ("3916197"   "4243318"   "4765737"   "4947223"   "5021661"   "5100627"   "5135304"   "5138170"   "5158889"   "5245466"   "5296963"   "5322799"   "5360739"   "5512492"   "5583634").<br>PN. | USPAT   | OR | ON  | 2004/03/30 18:18 |
| S19 | 7    | (sort\$3 separat\$3 select\$3) same (( graphite carbon) near3 (nanotube tube)) and (optical near5 trap)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 18:39 |
| S20 | 2217 | (sort\$3 separat\$3 select\$3 move manipulate) same (( graphite carbon) near3 (nanotube tube))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 18:39 |
| S21 | 7    | (optical near3 tweezer) and ((sort\$3 separat\$3 select\$3 move manipulate) same (( graphite carbon) near3 (nanotube tube)))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 18:36 |
| S22 | 569  | (sort\$3 separat\$3 select\$3 move manipulate) same (( graphite carbon) near3 (nanotube tube)).ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 18:42 |

## EAST Search History

|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| S23 | 1      | ((209/576) or (209/579) or (209/585) or (209/586) or (356/309) or (356/311) or (356/318)).CCLS.) and ((sort\$3 separat\$3 select\$3 move manipulate) same (( graphite carbon) near3 (nanotube tube)).ab.) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 18:39 |
| S24 | 1      | ((sort\$3 separat\$3 select\$3 move manipulate) same (( graphite carbon) near3 (nanotube tube)).ab.) and "209"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 18:39 |
| S25 | 14     | ((sort\$3 separat\$3 select\$3 move manipulate) same (( graphite carbon) near3 (nanotube tube)).ab.) and ("356"/\$.ccls. "250"/\$.ccls. "73"/\$.ccls. )   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 18:40 |
| S26 | 457    | (sort\$3 separat\$3 select\$3 move manipulate) same (((graphite carbon) near3 (nanotube tube)) and (optical light))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2004/03/30 18:43 |
| S27 | 41     | (sort\$3 separat\$3 select\$3 move manipulate) same (((graphite carbon) near3 (nanotube tube)) and (optical light)).ab.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 13:50 |
| S28 | 1817   | ((209/576) or (209/579) or (209/585) or (209/586) or (356/309) or (356/311) or (356/318)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 16:18 |
| S29 | 6      | (("6331690") or ("6333016") or ("6350488")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 13:27 |
| S30 | 7      | "107833".ap.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 13:27 |
| S31 | 153598 | (sort\$3 separat\$3 select\$3 mov\$3 manipulat\$3 attract\$3 mov\$3) near4 (nanotube SWNT tube nano\$5)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2006/07/05 10:57 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S32 | 322  | S31 and ((optical light laser) near3 (trap tweezer\$3))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 13:52 |
| S33 | 130  | S31 and ((optical light laser) near3 (trap tweezer\$3)).bsum.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 15:46 |
| S34 | 6    | ((sort\$3 separat\$3 select\$3 mov\$3 manipulater\$3 attract\$3 mov\$3) near4 (nanotube SWNT tube nano\$5) same ((optical light laser) near3 (trap tweezer\$3))).bsum. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 16:35 |
| S35 | 297  | S31 and ((optical light laser) near3 (trap\$4 captur\$3 catch\$3)).bsum.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 16:38 |
| S36 | 85   | S31 and ((molecul\$2 optical light) near2 dipole)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 15:54 |
| S37 | 3    | ("4451412"   "4627689"   "4632517").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/06/14 16:15 |
| S38 | 0    | (997/1).CCLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/06/14 16:16 |
| S39 | 0    | 997/1  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 16:16 |
| S40 | 2158 | ((209/576) or (209/579) or (209/585) or (209/586) or (356/309) or (356/311) or (356/318)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 16:26 |
| S41 | 1956 | S31 and ("209"/\$.ccls. "356"/\$.ccls.)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 16:59 |

## EAST Search History

|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| S42 | 2526   | ((209/1) or (209/576) or (209/579) or (209/585) or (209/586) or (356/309) or (356/311) or (356/318)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 16:31 |
| S43 | 370    | (209/1).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 16:26 |
| S44 | 153598 | ((sort\$3 separat\$3 select\$3 mov\$3 manipul\$3 attract\$3 mov\$3) near4 (nanotube SWNT tube nano\$5))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 16:27 |
| S45 | 2786   | ((209/1) or (209/129) or (209/576) or (209/579) or (209/585) or (209/586) or (356/309) or (356/311) or (356/318)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/07/05 10:55 |
| S46 | 260    | (209/129).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 16:31 |
| S47 | 2      | S46 and ((optical light laser) near3 (trap\$4 captur\$3 catch\$3))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 16:31 |
| S48 | 17     | ((sort\$3 separat\$3 select\$3 mov\$3 manipul\$3 attract\$3 mov\$3) near4 (nanotube SWNT tube nano\$5) same ((optical light laser) near3 (trap\$3 catch\$3 captur\$3 tweeze\$3))).bsum. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 16:58 |
| S49 | 214    | dipole same ((optical light laser) and (trap\$4 captur\$3 catch\$3))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2006/07/05 10:57 |
| S50 | 20     | S31 and S49   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/06/14 16:39 |

## EAST Search History

|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S51 | 90    | ((sort\$3 separat\$3 select\$3 mov\$3 manipul\$3 attract\$3 mov\$3) near4 (nanotube SWNT tube nano\$5 fibrils) and ((optical light laser) near3 (trap\$3 catch\$3 captur\$3 tweeze\$3))).bsum. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 16:59 |
| S52 | 90    | ((sort\$3 separat\$3 select\$3 mov\$3 manipul\$3 attract\$3 mov\$3) near4 (nanotube SWNT tube nano\$5 fibril) and ((optical light laser) near3 (trap\$3 catch\$3 captur\$3 tweeze\$3))).bsum.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 16:58 |
| S53 | 89    | S51 not S50  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 16:59 |
| S54 | 21122 | "216" and ("209"/\$.ccls. "356"/\$.ccls. "219"/\$.ccls. "250"/\$.ccls.)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 16:59 |
| S55 | 25    | S53 and ("209"/\$.ccls. "356"/\$.ccls. "219"/\$.ccls. "250"/\$.ccls.)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 17:00 |
| S56 | 6     | "379273".ap.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 17:19 |
| S57 | 1     | (plewa and tanner).inv.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/14 17:20 |